

Notice of Allowability

Application No.

10/707,185

Examiner

Kiley Stoner

Applicant(s)

LUNDSTROM ET AL.

Art Unit

1725

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 9/17/07.
2. ☒ The allowed claim(s) is/are 1-16 and 18-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Kiley Stoner 9/25/07

DETAILED ACTION

Allowable Subject Matter

Claims 1-16 and 18-20 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest either alone or in combination a method of tying two or more components together by means of a fastener as recited by independent claim 1, particularly each component is provided with a hole and the components are placed so that the holes overlap one another in order to receive the fastener in the holes, the fastener placed in the holes being mechanically pressure-loaded and heated in order to deform the fastener, thereby tying the components together, wherein the fastener is heated essentially only during the fastener deformation phase in order to minimize the heat transfer from the fastener to the components being tied and tying is carried out with both the fastener and the components made of the same or similar alloys included in the intermetallic alloys group of materials.

The prior art of record does not teach or suggest either alone or in combination an article of manufacture joined together by soldering as recited by independent claim 15, particularly at least two intermetallic alloy components soldered together and said components being tied together prior to soldering by an intermetallic alloy rivet, said article being manufactured by a method including tying the components together by means of the rivet and in which each component is provided with a hole and the components are placed so that the holes overlap one another in order to receive the

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rivet in the holes, the rivet being placed in the holes and mechanically pressure-loaded and heated in order to deform the rivet, and thereby tying the components together, the rivet is heated essentially only during a rivet deformation phase in order to minimize heat transfer from the rivet to the components that are being tied, the components being made of the same or similar alloys included in the intermetallic alloys group of materials.

The prior art of record does not teach or suggest either alone or in combination a method of tying two or more components together by means of a fastener as recited by independent claim 20, particularly each component is provided with a hole and the components are placed so that the holes overlap one another in order to receive the fastener in the holes, the fastener placed in the holes being mechanically pressure-loaded and heated in order to deform the fastener, thereby tying the components together, wherein the fastener is heated essentially only during the fastener deformation phase in order to minimize the heat transfer from the fastener to the components being tied, wherein the fastener is heated in an atmosphere containing an inert gas in order to minimize oxidation of the fastener and/or the components, and tying is carried out with both the fastener and the components made of the same or similar alloys included in the intermetallic alloys group of materials.

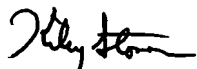
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiley Stoner whose telephone number is 571-272-1183. The examiner can normally be reached Monday-Thursday (9:30 a.m. to 8:00 p.m.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jonathan Johnson can be reached on 571-272-1177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

 9/25/07
Kiley Stoner

Primary Examiner A.U. 1725